S/126/62/014/001/012/018 E193/E383

On the problem of ...

the dotted lines representing data obtained by Martin and Moore (Less-Com. Metals, 1959, 1, no. 2, 85) for commercial-grade metal. The solubility limit at 1 200 °C was evaluated in the following manner: experimental data on the degree of lattice distortion (Ac, kX/1 at.%) of Ti and Zr due to dissolution of oxygen (C.F. Domogola, D.J. McPherson - J. Metals, 1954, 6, 2, 238; E.S. Bumps, H.D. Kessler, H. Hunsen - Trans. ASM, 1953, 45, 1008) were plotted against the reciprocal of the volume of the elementary cells of these metals (i.e. against the value characterizing the size of the interstitial pores); on linear extrapolation of this graph to the reciprocal of the volume and elementary cell of Be, the magnitude of Lic = 0.02 kX/1 at.%, was obtained, which corresponded to the total solubility of interstitial impurities equalling 1 to This value, although evidently too high owing to inaccuracy of extrapolation and inability to take into account the increase in the thermal-expansion coefficient due to distortion of the vibration spectrum of the lattice by the impurity atoms, is not in contradiction to the value of 0.3% obtained by metallographic analysis (J. Greenspan. TID - 7526 (part 1), 1957 (quoted Card 2/13

S/126/62/014/001/012/018
On the problem of E193/E383

according to G.E. Darvin, I.H. Budery - "Beryllium", London, 1960, p. 291)). There are 2 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut AN UkrSSR

(Physicotechnical Institute of the AS UkrSSR)

SUBMITTED: December 2, 1961

Card 3/43

1.7037-65 ENT(m)/EMP(k)/EMP(q)/EMP(b) Pf-A AFML/ASD(f)/RAEM(t) JD/HM/JG

ACTINGION OF ANALYSIS ENTRIPY, v. 16, 20: 5, 1/64, A26-532

TOPIC TAGS: beryllium, beryllium deformablion, beryllium failure, beryllium failure in 99.0 and 99.65 pure beryllium strip at temperatures varying from 20

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continuous as the amount of impurities was increased. The authors emphasize		erczys.
me estually forms to be a precimitation-hardened fillow. The tendency towards	1	
the weath point of the high purity specimens was much lower within the investi-		
ected the magnitude of plustic deformation as well as the character of failure	110300	
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AMONENKO, V.M.; IVANOV, V.Ye.; TIKHINSKIY, G.F.; FINKEL', V.A.

X-ray study of the solubility of impurities in beryllim. Fiz. met.i metalloved. 14 no.61852-856 D 162, (MIRA 16:2)

1. Fiziko-tekhnicheskiy institut AN UkrSSR.

(Beryllium-Inclusions)

(X rays-Industrial applications)

AMONENKO, V. M.
TITLE: Seminar on refractory metals, compounds, and alloys (Kiev, April 1963).
SOURCE: Atomnaya energiya, v. 15, no. 3, 1963, 266-267

ACCESSION NR: AP3008085

Ya. A. Kraftmakher. Heat capacity of W, Ta, and Nb.

Landing of the second s

V. M. Amonenko and others. Expansion coefficients of Zr, Nb, Mo, Ta, and W.

N. V. Ageyev, M. S. Model'. Expansion coefficients of chromium-base alloys.

S. N. L'vov, V. F. Nemchenko. Temperature dependence of emf and resistivity of Cr, Ti, V, and their borides, carbides, and nitrides; Ettingshausen-Nernst effect in titanium, TiB2, TiC, and TiN.

N. V. Kolomoyets. The emf of chromium-group metals and their alloys.

G. V. Samsonov and others. Superconductivity and thermal-electron properties of refractory compounds.

D. A. Prokoshkin and others. Magnetic, optical, and other properties of refractory elements and the oxidation resistance of beryllides of refractory elements.

Card 10/11

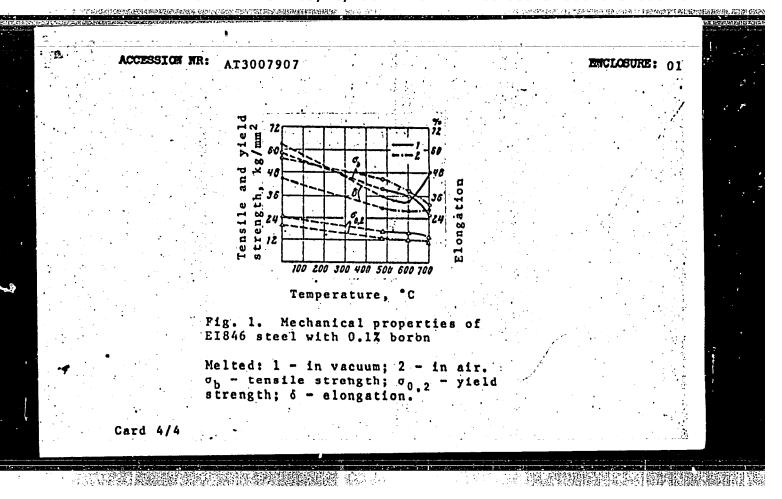
S/2957/63/000/000/0061/0064 ACCESSION NR: AT3007907 AUTHOR: Amonenko, V. M.; Bolgov, I. S.; Zeydlits, M. P.; Azhazha, V. M. TITLE: Effect of vacuum melting on properites of E1846, E1852, EI847, and EI437B steels SOURCE: Primeneniye vakuuma v metallurgii; trudy* Tret'yego soveshchaniya po primeneniyu vakuuma v metallurgii. Moscow, 1963, 61-64. TOPIC TAGS: vacuum melting, vacuum induction melting, E1845 steel, E1847 steel, E1852 steel, E1437B alloy, E1846 steel vacuum melting, EI847 steel vacuum melting, EI852 steel vacuum melting, EI437B alloy vacuum melting, mechanical property, gas content, nonmetallic inclusion content, ductility, hardness, tensile strength, yield strength, notch toughness ABSTRACT: Small, 20-25-kg, heats of EI846 [apparently an austenitic chromium nickel steel containing 0.02-0.03% C and 0.1-0.8% B]. E1847 [0.5-0.10% C, 14.0-17.0% Cr, 14.0-16.0% N1, 0.45-0.85% Nb, Card 1/4

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

ACCESSION NR: AT3007907

2.5-3.5% Mo], and E1852 [0.50% max C, 1.4-2.1% Si, 12.0-14.0% Cr 1.0% Ni, 1.2-2.0% Mo] steels and EI437B nickel-base alloy [Nimonic 80A] were multed in a laboratory induction furnace under a vacuum of 0.00005-0.0001 mm Hg. In all four materials vacuum melting greatly reduced the gas content: oxygen, to 0.0007-0.002%; hydrogen, to 0.0001-0.0003%; and nitrogen, to 0.001-0.003%, that is, by 80-90% compared with conventionally melted steels. The size and content of nonmetallic inclusions was also considerably reduced. This resulted in a significant improvement of ductility, especially at 500-800C (see Fig. 1 of the Enclosure). Tensile and yield strengths were not significantly affected by vacuum melting; hardness dropped by 10-20% compared with conventional melting. The beneficial affect of vacuum melting was especially pronounced in E1846 steel. Owing to low carbon and high boron contents, it is difficult to obtain steel of satisfactory quality by conventional arc or induction melting. Satisfactory ductility can be obtained only by keeping the boron content close to the lower limit. In vacuum-melted steel, however, ductility drops with increased boron content, but still remains satisfactory; at 0.8% boron the elongation at 20, 500, and 800C amounted to 30, 18, and 56%. Increase of boron content to

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AMONENKO, V. M., V'YUGOV, P. N., and GUMENYUK, A. S.

"Investigation of thermal expansion of tungsten, molybdenum, tantalum, niobium, and zirconium at high temperatures"

Seminar on production methods, physical properties, and electron structure of refractory metals, compounds, and alloys, organized by the Institute of Powder Metallurgy and Special Alloys AS Ukr SSR, Kiev, 25-29 April 1963. (Teplofizika vysokikh temperatur, No. 1, 1963, p. 156)

AMONENKO, V.M.

AID Nr. 983-1 5 June

STRUCTURE OF TANTALUM AT HIGH TEMPERATURES (USSR)

Amonenko, V. M., B. M. Vasyntinskiy, G. N. Kartmazov, Yu. N. Smirnov, and V. A. Finkel'. Fizika metallov i metallovedeniye, v. 15, no. 3, Mar 1963, 444-449.

S/126/63/015/003/016/025

The Physicotechnical Institute, Academy of Sciences USSR, has studied the structure of Ta at 20 to 2500°C and the effect of vacuum heat treatment on the structure and properties. X-ray diffraction patterns obtained with a high-temperature x-ray camera in a vacuum of 3·10⁻⁵ mm Hg showed that the bodycentered cubic structure of Ta remains unchanged at all temperatures tested. The lattice parameter "a" increases from -3.3030 kX at 20°C to 3.3750 kX at 2600°C. The coefficient of thermal expansion was calculated from "a." Annealing in a vacuum of 3·10⁻⁵ to 1·10⁻³ mm Hg at temperatures up to 2200°C was found to increase "a" and microhardness. Curves of these two parameters versus temperature show maxima under all conditions tested; their magnitude increases with increasing pressure. With a constant annealing

Card 1/2

AID Nr. 983-1 5 June

STRUCTURE OF TANTALUM [Cont'd]

s/126/63/015/003/016/025

time of 10 min these maxima occur at 1600° to 1800°C under all pressures tested. With prolonged annealing the maxima are shifted toward lower temperatures, occurring at ~1500-1600°C with annealing for 6 hrs. Both phenomena are attributed to gas absorption by the Ta. X-ray diffraction patterns of a specimen annealed for 15 hrs showed the lines of two high-temperature modifications of Ta₂O₅ at 1460 to 1490°C and 1500 to 1540°C. [ND]

Card 2/2

AMONENKO, V.M.; KOVTUN, G.P.; KRUGLYKH, A.A.; PAVLOV, V.S.

Absorption of air by aluminum oxide. Ukr. khim. zhur. 29 no.10:1109-1110 163. (MIRA 17:1)

1. Khar'kovskiy fiziko-tekhnicheskiy institut AN UkrSSR.

ACCESSION NR: AP4024186

\$/0294/64/000/001/0029/0031

AUTHOR: Amonenko, V. M.; V'yugov, P. N.; Gumenyuk, V. S.

TITLE: Investigation of thermal expansion of tungsten, molybdenum, tantalum, niobium, and zirconium at high temperatures.

SOURCE: Teplofizika vy*sokikh temperatur, no. 1, 1964, 29-31

TOPIC TAGS: tungsten, molybdenum, tantalum, niobium, zirconium, thermal expansion, high temperature thermal expansion, relative elongation, thermal expansion coefficient, zirconium allotropic transformation

ABSTRACT: The relative elongation of the metals was measured with an improved contact-making vacuum dilatometer (V. S. Gumenyuk, Pribory* i tekhnika eksperimenta, no. 4, 1961) used in conjunction with an optical pyrometer (800-2000C range) or a Pt-PtRh thermocouple (200-1200C). The length measurements were accurate to ±1µ (1 per cent at high and 3 per cent at low temperatures), and the temperature was uniform within 5°C. A tungsten resistance furnace was used to heat the tested metals (zirconium to 1450C and the others Cord 1/3

ACCESSION NR: AP4024186

DEATHCE ENTRY (INC. THE PROPERTY ENGINEERING PROPERTY OF THE PROPERTY OF THE

to 2000C). Empirical formulas are derived to fit the temperature vs. relative elongation curves obtained, differentiation of which yields the temperature variation of the linear expansion coefficients. The kink in the curve for zirconium (beginning with 865C) is due to its allotropic transformation. Orig. art. has: 3 figures and 5 formulas.

ASSOCIATION: Fizko-tekhnicheskiy institut AN UkrSSR (Physicotechnical Institute, AN UkrSSR)

SUBMITTED: 27May63

DATE ACQ: 16Apr64

ENCL: 01

SUB CODE: PH, ML

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OTHER: 003

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ACCESSION NR: AP4040990

S/0279/64/000/003/0158/0160

AUTHOR: Amonenko, V.M. (Kharkov); Krugly*kh, A.A. (Kharkov); Pavlov, V.S. (Kharkov); Tikhinskiy, G.F. (Kharkov)

TITLE: Evaporation rate of components in thermal dissociation of yttrium and lanthanum beryllides

SOURCE: AN SSSR. Izvestiya. Metaliurgiya i gornoye delo, no. 3, 1964 158-160

TOPIC TAGS: yttrium, yttrium beryllide, lanthanum, lanthanum keryllide, beryllide dissociation, beryllium vapor pressure, thermal dissociation

ABSTRACT: The evaporation rates of components of yttrium and lanthanum beryllides during thermal dissociation of yttrium beryllide at 1040-1290C and lanthanum beryllide at 1080-1270C have been determined. YBe13 and LaBe13 beryllides were prepared by sintering 99.95%-pure beryllium powder with powders of 99.8%-pure yttrium or 99.4%-pure lanthanum. From the analysis of x-ray diffraction patterns, chemical analysis of the condensate, and calculated values of the vapor pressure of yttrium, baryllium, and lanthanum, it is concluded that both beryllides Cord 1/2

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AMONENKO, V.M.; RYABCHIKOV, L.N. [Riabchykov, L.M.]; TIKHINSKIY, G.F. [Tykhins'kyi, H.F.]

Effect of adsorbed gases on the vaporization rate of zinc and magnesium. Ukr. fiz. zhur. 9 no.1:75-80 Ja '64.

(MIRA 17:3)

1. Fiziko-tekhnicheskiy institut AN UkrSSR, Khar'kov.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

AMONENKO, V.M.; BLINKIN, A.M.; IVANTSOV, I.G.

Self-diffusion in strongly diluted binary solutions. Part 1, Effect of additions of tin and antimony on the self-diffusion of iron in the a-phase. Fiz. met. i metalloved. 17 no.1:56-62 Ja '64. (MIRA 17:2)

1. Fisiko-tekhnicheskiy institut AN UkrSSR i Khar'kovskiy gosudarstvennyy universitet im. A.M.Gor'kogo.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

BOLGOV, I.S.; AZHAZHA, V.M.; AMONENKO, V.M.; ZEYDLITS, M.P.

Revealing etch figures in nickel by thermal etching in vacuum. Fiz. met. i metalloved. 18 no.4:553-557 0'64. (MIRA 18:4)

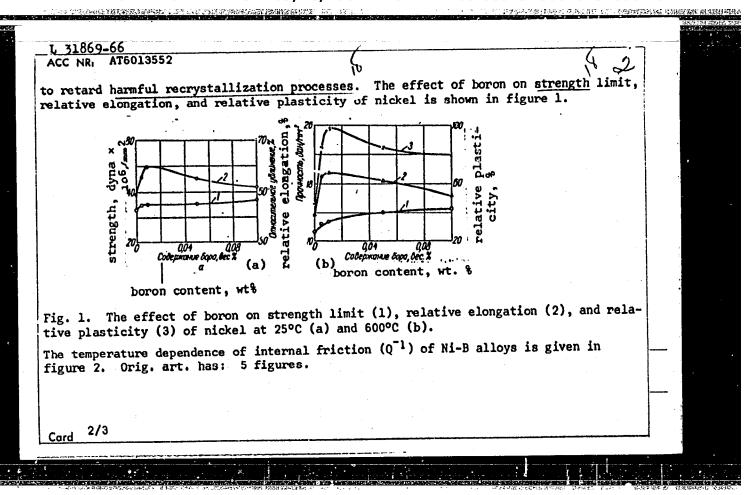
1. Khar'kovskiy fiziko-tekhnicheskiy institut.

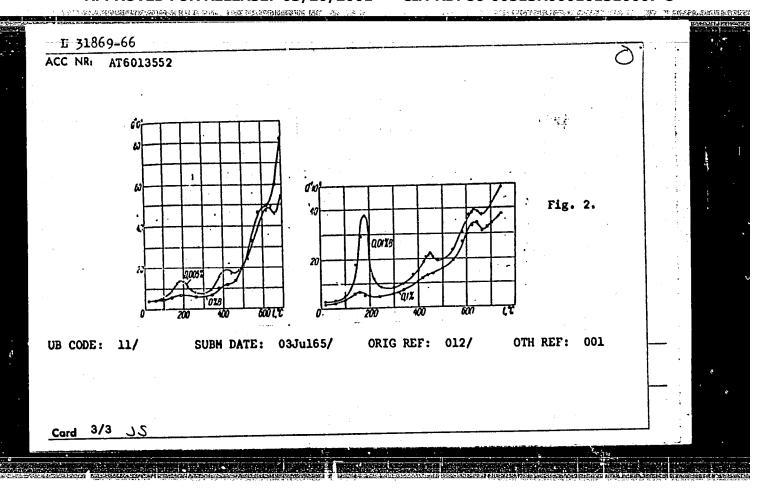
SMIRNOV, V.S.; AMONENKO, V.M.; TRON', A.S.; ALEKSANDROV, A.A.

Effect of rolling in vacuum on the properties of metals.

Trudy LPI no.238:95-100 '64. (MIRA 17:11)

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L 31869-66 EWP(k)/EWT(d)/EWT(m)/EWP(h)/T/EWP(1)/EWP(e)/EWP(w)/EWP(v)/EWP(t)	
ACC NR. AT6013552 (N) JD/HW/GD SOURCE CODE: UR/0000/65/000/000/0063/0068	
AUTHOR: Amonenko, V. M.; Azhazha, V. M.; Bolgov, I. S.; Zeydlits, M. P.; Ivanov, V. Ye.; Shapoval, B. I.	a company of the comp
ORG: Physico-Technical Institute, AN UkrSSR (Fiziko-tekhnicheskiy institut AN UkrSSR)	•
ORG: Physico-Technical Institute, AN OKYSSK (FIZIKO-texhill closely) TITLE: Influence of boron on the properties of nickely B+/	
SOURCE: AN UkrSSR. Institut problem materialovedeniya. Vysokotemperaturnyye neorgani- cheskiye soyedineniya (High temperature inorganic compounds). Kiev, Naukova dumka, 1965	•
63-68	4
TOPIC TAGS: boron, nickel, alloy, boron alloy, internal friction	
ABSTRACT: The effect of boron concentration (0-0.1 wt %) on mechanical strength limit, relative elongation, and relative plasticity of nickel was examined at 25° and 600°C and also the temperature dependence of internal friction (Q ⁻¹) for nickel containing and also the temperature dependence of internal friction (Q ⁻¹) for nickel boron alloys were	
0.005-0.1% B was examined in the 20-00c lange. Oahple of material in an elec- prepared by fusing mixtures of H-O-grade nickel and NiB standard material in an elec- prepared by fusing mixtures of H-O-grade nickel and NiB standard material in an elec- trical furnace. After 70-80% deformation for 4 hour at 400°C, the samples were held trical furnace. After 70-80% deformation had a beneficial effect on the mechanical pre-	
for 2 hours at 800°C. In general, boron had a benefited the strengthen the alloy crystals and perties of nickel. Specifically, boron was found to strengthen the alloy crystals and the intergrain boundaries within the alloy, to improve the internal grain structure and	
Card 1/3	-1 -





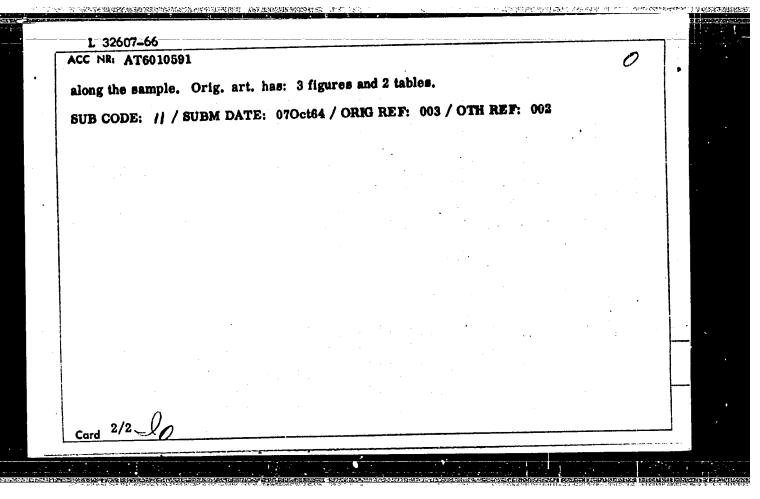
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ACC NR: AT6013553 (N) SOURCE CODE: UR/0000/65/000/000/0069/0075	-
AUTHOR: Azhazha, V. M.; Amonenko, V. M.; Bolgov, I. S.; Zeydlits, M. P.; Ivanov, V. Ye.	
ORG: Physico-Technical Institute AN UkrSSR (Fiziko-tekhnicheskiy institut AN UkrSSR)	
TITLE: Smelting in vacuo as a means of improving the mechanical properties of boron 43	` '
SOURCE: AN UkrSSR. Institut problem materialovedeniya. Vysokotemperaturnyye neorganicheskiye soyedineniya (High temperature inorganic compounds). Kiev, Naukova dumka,	ı
TOPIC TAGS: boron steel, mechanical property, steel, ferrous metal, steel microstructure, chromium steel, nickel steel / EI437A steel, EI437B steel, EI403 steel	
ABSTRACT: The effect of smelting (250°-1000°C) in vacuo and in air for 137-1300 hrs on relative elongation, impact, strength, and hardness of chromium-nickel steels containing from 0.d to 3.0 wt % boron was investigated. E1437A (boron-free), E1437B (0.015 wt B), E1403 (0.1-1.0 wt % B), and some specially prepared steels containing 2-3 wt % B were used as representative steel samples. It was found that the smelting of steels containing 2-3 wt % B results in a 1.5-2 fold increase in their plasticity. A 15-20%	
improvement in relative elongation characteristic and two-fold increase in impact strength result when high purity steel grades are smelted in vacuo. Greater improve-	
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ACC NR:	AT601355	3						2
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L 32607-66 EWT(m)/EWP(t)/ETI 1JP(c) JD/JG/GD		A WINSON
ACC NR: AT6010591 SOURCE CODE: UR/0000/65/000/000/0163	/0168	
AUTHOR: Amonenko, V. M.; Kruglykh, A. A.; Pavlov, V. S.; D'yakov, I. G.; Balenko, E. P.	33 · B+1	
ORG: Physicotechnical Institute, AN SSSR (Fiziko-tekhnicheskiy institut AN SSSR) TITLE: On the possibility of purifying cerium by zone recrystallization		
SOURCE: AN/UkrSSR. Fazovyye prevrashcheniya v metallakh i splavakh (Phase transformations in metals and alloys). Kiev, Naukova dumka, 1965, 163-168		<i>i</i> .
TOPIC TAGS: metal zone refining, cerium, recrystallization, 3000 multing		
ABSTRACT: The object of the study was to determine the distribution of impurities (lanthanides, silicon, magnesium, iron, and copper) in cerium during zone melting o latter. The process was carried out at 3 x 10 ⁻⁶ mm Hg on cerium which had first be	en re-	
melted for one hour at 1423K at the same pressure. The molten zone was produced be electron bombardment, and its travel rate was varied from 5 to 0.15 mm/min. The process turned out to be most efficient at a rate of 0.5 mm/min. However, zone mel not effective in removing other rare earth metals from cerium. Iron, copper, and state of 0.5 mm/min.	refining ting is	
impurities are driven to the end of the ingot and have a distribution coefficient $K < 1$. ten passes, the iron content decreases by a factor of 5, and the silicon and copper co decrease by a factor of 10. Magnesium is removed chiefly by vaporization as the zor	After ntents	
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L 44305-65 EWT(m)/T/EWP(t)/ETI LJP(c) JD/JG	
AP6019841 SOURCE CODE: UR/0370/66/000/001/0190/0192	
AU'THOR: Amonenko, V. M. (Khar'kov); Kruglykh, A. A. (Khar'kov); Pavlov, V. S. (Khar'kov); Tikhinskiy, G. F. (Khar'kov) ORG: none	
TITLE: Evaporation rate of beryllium during dissociation of cerium beryllide	
SOURCE: AN SSSR. Izvestiya. Metally, no. 1, 1966, 190-192	
TOPIC TAGS: beryllium, vacuum sublimation, cerium compound, vapor pressure	
ABSTRACT: The article presents the results of an investigation of the evaporation rate of Be during the thermal dissociation of the intermetallic compound CeBe ₁₃ , as well as of the effect	
tained by the vacuum heating of a stoichiometric mixture of the powders of Co and Be at 1150°C sublimation rates of the Be-0.4% Co alloy was obtained by direct vacuum melting of the metals. The determined by the method of comparation of the products of dissociation of CeBe ₁₃ were	
determined by the method of evaporation from a cylindrical tantalum crucible with a residual gas pressure of ≤ 2·10 ⁻⁶ mm Hg in the vacuum chamber. The temperature was measured with	
The temperature was measured with	2 144
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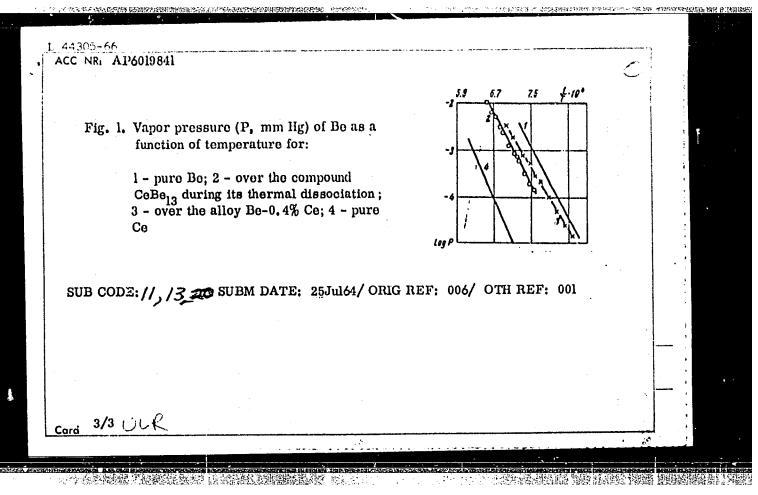
L 44305-66

ACC NR: AP6019841

the aid of an optical pyrometer correct to ±5%. Weighing of the crucibles was carried out correct to ±0.000l g by the continuous method on scales without violating the vacuum. The sublimation rate of Be with 0.4% Ce was measured in the temperature range 920-1160°C; for this temperature range the saturated vapor pressure of Be over the Be-0.4% Ce alloy is described by the equation: log P = 9.35-17,000/T. As for the sublimation rates of the components of the intermetallic compound CeBe₁₃, during its thermal dissociation in the temperature range 1050-1250°C, the roentgenograms of the condensates gathered following evaporation of the compound at 1100 and 1250°C lack the lines of Ce and CeBe₁₃; therefore, appreciable dissociation occurs above 1050°C and the entire sublimated matter may be referred to Be. The saturated vapor pressure of Be over the CeBe₁₃ compound during the latter's thermal dissociation may be described by the equation: log P = 10.475-18,990/T. The findings were utilized to plot curves of the saturated vapor pressure of the compounds and their components (Fig. 1). Orig. art. has: 1 figures, 2 tables, 2 formulas.

2/3

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"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000101310007-8

TJP(c) JD/JG SOURCE CODE: UR/0185/66/011/009/1023/1025 ACC NR: AP6030804 40 AUTHOR: Amonenko, V. M.; Pavlov, V. S.; Kruglykh, A. A. \mathcal{B} ORG: Physicotechnical Institute, Academy of Sciences UkrSSR, Kharkov (Fizykotekhnichnyy instytut, AN UkrSSR) by combined zone melting and electrotransfer process TITLE: Refining lanthanum SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 11, no. 9, 1966, 1023-1025 TOPIC TAGS: lanthanum refining, lanthanum zone refining, lanthanum electrotransfer rections cleatron hears malting ABSTRACT: The feasibility of refining lanthanum by combined zone melting and electrom transfer process has been investigated. Specimens, 8 mm in diameter x 120 mm long, were prepared from 99.5%-pure lanthanum melted in a vacuum of 3.10-6 mm Hg. The specimens were subjected to zone refining in vacuum with electron-beam heating. Simultaneously, direct current with a density of 4.4 a/mm2 was passed through the specimens for 70 or 180 hr, depending on the number of passes (5 or 10). It was found that the utmost purification was achieved with 5 passes, after which the impurities content was reduced as follows: exygen from 0.080% to 0.032%, nitrogen from 0.0047% to 0.0040% hydrogen from 0.0013% to an undetectable quantity, and carbon from 0.14% to 0.080%. The microhardness dropped from 50 to 30 kg/mm2. Orig. art. has: 3 figures and 1 table [TD] SUBM DATE: 20Dec65/ ORIG REF: 003/ OTH REF: 002/ ATD PRESS: SUB CODE: 11, 13/ **5077** · Card 1/1 gd

CIA-RDP86-00513R000101310007-8 "APPROVED FOR RELEASE: 03/20/2001

L 32066-66 EWI(m)/EWP(t)/ETI IJP(c)

ACC NR: AP6013334

SOURCE CODE: UR/0363/66/002/004/0578/0581.

AUTHOR: Amonenko, V.M.; Kruglykh, A.A.; Pavlov, V.S.; Mosova, L.N.

ORG: Physicotechnical Institute, Academy of Sciences UkrSSR (Fiziko-tekhnicheskiy institut Akademii nauk UkrSSR)

TITLE: Purification of cerium by electric transfer combined with zone melting

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 4, 1966, 578-581

TOPIC TAGS: cerium, metal zone refining, metal zone melting

ABSTRACT: To determine whether cerium can be purified by combining electric transfer with zone melting, molten cerium samples were refined by passing a current of 5.3 A/mm² in a vacuum for 50 - 150 hr. Iron, silicon, copper, and oxygen impurities were found to move to the cathode. The experiments were then repeated in helium; after 200 hr, the amount of impurities remaining in the cathodic and middle portions of the sample dropped below the sensitivity limit of spectral analysis. The samples were then subjected to zone melting, whose effectiveness was found to increase when an electric current (6 A/mm²) was passed through the metal. The amount of impurities thus dropped from 0.245% in the

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UDC: 546.655

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ACC NR: AP6013334

initial sample to 0.085% in the refined product. Following the refining process, the microhardness of cerium decreased from 25 to 23.8 kg/mm². Orig. art. has: 2 figures and 3 tables.

SUB CODE: 11 /SUBM DATE: 31Jul65 / ORIG REF: 003 / OTH REF: 002

Card 2/2

ACC NR. AP7002844 SOURCE CODE: UR/0136/66/000/012/0078/0081 AUTHOR: Amonenko, V.M.; Tron', A.S.; Mukhin, V.V.; Rybal'chenko, N.D.; ORG: none TITLE: Production and properties of vacuum-hot rolled metal composites SOURCE: Tsvetnyye metally, no. 12, 1966, 78-81 TOPIC TAGS: composite metal, hot rolling, composite metal-hot-rolling, vacuum hot rolling, composite bond strength, molybdenum niobium composite, steel titanium composite, metal bonding, sheet metal, atainius stul, ABSTRACT: Packs consisting of two dissimilar metal plates 10 mm-thick, 20 mm wide, and 100 mm long, were vacuum rolled from vacuum-arc melted ingots of Cu, Ni, Ti, Nb, St.3 steel and 1Kh18N9T stainless steel under various conditions. The bond strength of all composites was found to increase with increasing reductions and deeper vacuum and, in the case of metals which form solid solutions (Cu-Ni, Mo-Ti, Mo-Nb and others), with increasing rolling temperature. In the case of metals which form brittle eutectics, or chemical compounds (Ti-steel) which lower the bond strength, satisfactory bond strength can be produced only by rolling at temperatures Card 1/2 669-419.4:621.771 UDC:

ACC NR. AP7002844

below that of the formation of the eutectics or chemical compounds. The deeper vacuum is especially important in rolling composites from titanium, niobium and other chemically active metals. For example, Mo-Nb composite rolled with a 30% reduction at 1200C in a vacuum of 1·10⁻¹—1·10⁻² mm Hg had a bond strength of 5—8 kg/mm² compared with 32 kg/mm² for the strength of composite rolled in a vacuum of 2·10⁻⁵ mm Hg, other conditions being the same. No visual changes were observed in the interface structure of Mo-Nb, Cr-W, Cr-Mo, Cu-Ni and other composites of metals which form solid solutions. But at the interface of joined Ti-Mo, Cu-steel, Ti-Ikhl8N9T steel, and other composites of metals which form a eutectic or chemical compound (e.g., Ti-Fe, Nb-Ni), a transition zone formed whose thickness depended on the temperature and reduction of rolling. In all these composites, annealing brought about the formation of transition zone and the growth of the existing ones, which was associated with the interdiffusion of contacting metals. [MS]

SUB CODE: 13, 1/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001

Card 2/2

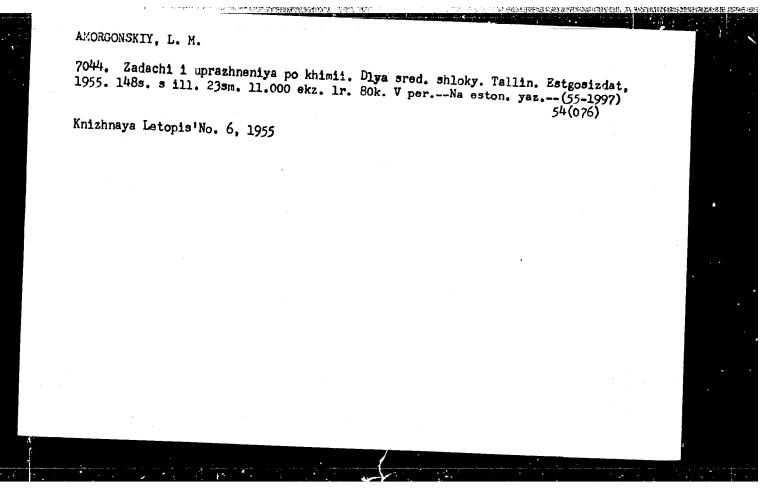
AMORASCU, R.

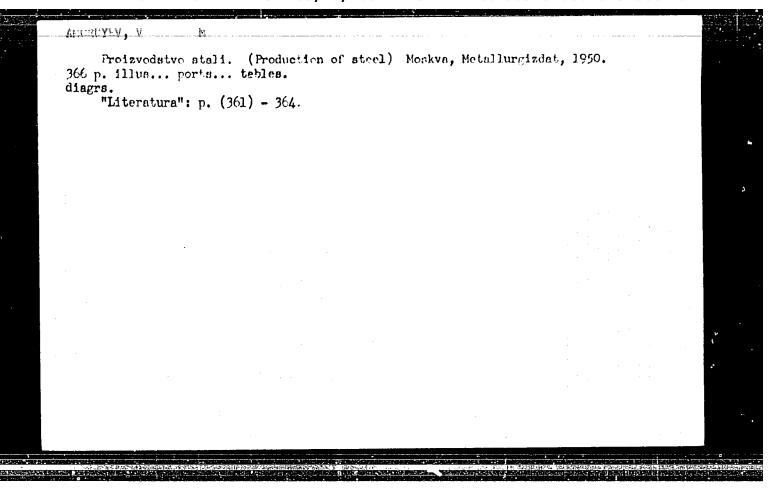
TECHNOLOGY

Periodicals: CELMLOZA SI HTRTIE. Vol. 7, no. 6, June 1958

AMORASCU, R. Experiences from the use of the Seiga vertical harvester. p. 246

Monthly List of East European Accessions (EEAI) 10, Vol. 8, No. 2, February 1959, Unclass.





Category : USSR/Radiophysics Application of radiophysical methods

I-12

namendaring area, at he consideration of the construction of the c

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 2051

Author

: Amosenko, N.I., Muran, D.M.

Title

: Distortion of Television Image when Receiver is Fed from an Autonomous

Network, and Methods for its Elimination.

MINICSENTE, NII.

Orig Pub : Tekhnika televideniya (M-vo radiotekhn. prom-sti SSSR), 1954, No 2, 9-33

Abstract : A quantitative analysis is given of the influence of the magnetic leakage fields on the electron beam, the deflecting system, and units containing windings. Examination of the influency of pulgations of rectified voltage on the image. The permissible distortion of television images occurring when the set is fed from an autonomous line is defined. Methods of combatting distortion are indicated, particularly the shielding of the power transformer, cancellation of the leakage fields by means of a short-circuited turn, and the use of a resonant filter in the rectifier.

Card : 1/1

TOKARSVICH, N.J., AMOSSHKOVA, N.J.; GOL'EBERG, S.I.; POPOVA, Ye.M.

Heterials on the study of eptospiral jaunilee. Report No.11:Further date on leboratory diagnostics of lectospiral jaunilee. Trudy Len. inst.opid. i mikrobiol. 9:104-112 '47. (MEM 10:9)

1. Is laboratorii po isucheniyu lectospirozov Instituta im. Postera (zav. laboratoriyey K.N.Tokarevich)

(LEMINGRAD-MEIL'S DISEASE)

TOKANSTICS, K.H.; DANSKER, V.H.; POPOTA, Ye.M.; AMCSERMOVA, H.I.

Materials on the study of ectaspiral faudice. Report No.12:

Experimental premises for specific serum therapy in leptomotrel jauratice. Trudy leminationals, in mikrobiol. 9:113-127 42.

(MEAN 10:9)

1. In laboratorit po izucheniyu leptospirozov Institute im. Partora (zav. laboratoriyay K.E.Tokaravich)

(WHLE'S DISEASE) (SERUM THERAPT)

AMOSENKOVA, N.I.; POPOVA, Ye.M.

Two cases of isolation of Leptospira interchemorrhagise from dogs.

Zhur.mikrobiol.epid.i immun. no.3:63-69 Mr 154. (MLRA 7:4)

1. Is otdela transmissivnykh infektsiy i zoonozov (saveduyushchiy

K.M.Tokarevich) Instituta imeni Pastera (direktor N.P.Ivanov).

(Leptospira interchemorrhagias) (Dogs-Diseases)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

Observation on the principal reservoir of Leptospira icterchaemorrhagiae. Zhur. mikrobiol. epid. 1 immun. no.12:67-70 D '54. (MLRA 8:2) 1. Is leptospirosnoy laboratorii (zav. K.N. Tokarevich) Leningradakogo instituta imeni Pastera (dir. N.P. Ivanov) (YEIL'S DISHASE, transmission, carriage by rate) (RATS, carriage of Veil's dis.)

AMOSENKOVA, N. I

"Reservoir of the Swamp Fever Pathogen in the Nortwestern USSR,"
by Ye. M. Popova and N. I. Amosenkova, Leningrad Institute of
Epidemiology, Microbiology, and Hygiene imeni Pasteur, Zhurnal.
Mikrobiologii, Epidemiologii i Immunobiologii, Vol 28, No 1,
Jan 57, pp 44-50

This article presents results of studies on leptospirosis in mouselike redents. Since previous investigations indicated that the chief reservoir of swemp fever was mouselike redents in other areas of the USSR, this possibility was explored in the Northwestern region, particularly around Leningrad, from June to December 1954. Animals were trapped in the Leningrad suburbs in potato fields and gardens, on large animalhusbandry seventozes, and in vegetable combines. The redents were chloroformed and dissected, and changes in the internal organs were noted.

Kidney suspensions from the rodents were seeded on serum-phosphate medium, and blood was investigated by lysis and agglutination reactions with typed cultures of leptospira. The biological characteristics of the isolated cultures were studied by infecting guinea pigs. Cultures were tested with immune rabbit sera to the standard strain DV-B Monyakov and the Rulev Strain (isolated in 1953 from a swamp fever patient during an outbreak in one of the sovkhozes around Leningrac). One table shows that cultures were lysed and agglutinated by the aforementioned sera in high titers, and only one culture, isolated from a field mouse, reacted negatively. Two other tables show, results of infection of rabbits with cultures of Leptospira isolated from rodents and infectivity of field rodents trapped in suburban sovkhozes.

SUM. 1360

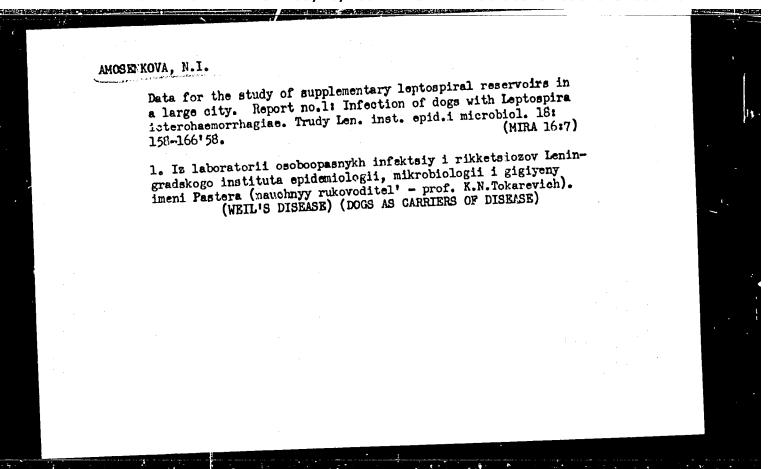
APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

AMOSENKOVA, N. I.

The article presents the following conclusions on the basis of these

results:

- "1. It was established that 14.3% of mouselike field rodents trapped in the Leningrad suburbs were infected with Leptospira.
- "2. On study of the biological properties of 24 cultures isolated, 23 were identified as Leptospira type DV-B Monyakov and one as vataviae.
- "3. Leptospira type DV-B Monyakov was isolated for the first time from various mouselike rodents (field mice, common microtus, domestic mice), thereby establishing a heretofore-unknown natural reservoir of this type of swamp fever pathogen. It was simultaneously established that the common microtus carried bataviae type Leptospira.
 - "4. Considering the concrete existence of a natural reservoir of pathogenic Leptospira in the suburbs of the city and the possibility of the occurence of leptospirosis among humans under certain conditions, deratization measures must be reinforced, taking into account the dynamics of propagation of field rodents and the seasonal nature of this disease. (U)



AMOSENKOVA, N.I.

Data for the study of supplementary leptospiral reservoirs in a large city. Report No.2: Results of experimental inoculation of pupples with some leptospira species. Trudy Len.inst.epid. i microbiol. 18:167-176:58. (MIRA 16:7)

1. Iz laboratorii osoboopasnykh infektsiy i rikketsiozov Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera (nauchnyy rukovoditel' - prof.K.N.Tokarevich). (LEPTOSPIROSIS) (DOGS AS CARRIERS OF DISEASE)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

AMOSENKOVA, N.J.

Data for the study of supplementary leptospiral reservoirs in a large city. Report No.32 Testing cats as to their susceptibility to leptospira. Trudy Len.inst.epid. i microb. 18:177-179 (MIRA 16:7)

1. Iz laboratorii osoboopasnykh infektsiy i rikketsiozov Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera(nauchnyy rukovoditel¹ - prof. K.N.Tokarevich). (LEPTOSPIROSIS) (CATS AS CARRIERS OF DISKASE)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

1991年 - 東京島南北西北京市大学市内市地域市場。

POPOVA, Ye.M.; AMOSENKOVA, N.I.

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Cases of swamp fever among the workers of swine farms. Trudy Len.inst.epid.i microbiol. 18:180-187'58 (MIRA 16:7)

1. Iz laboratorii osoboopasnykh infektsiy i rikketsiozov Leningradskogo instituta epidemiologii, mikrobiologii i gigiyeny imeni Pastera (nauchnyy rukovoditel' - prof. K.N. Tokarevich). (LEPTOSPIROSIS) (SWINE AS CARRIERS OF DISEASE)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000101310007-8

E

Country : USSR

Category: Virology. Viruses of Man and Animals.

Rickettsias.

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103534

Author : Krasnik, F.I.; Amosenkova, N. I.

Inst

: The Resistance of Richettsias to Frozen Substrates Title

Orig Pub: Sb. Rickettsial Diseases, Leningrad, 1950, 167-177

Abstract: At a temperature of -200 a reduction in text city and

virulence was observed in typhus ricketts as depending on the substrate on which the rickettsias were kept. After passages through lice and chick embryos the toxic and virulent properties were restored. --

L. Ye. L.

: 1/1 Card

CIA-RDP86-00513R000101310007-8" **APPROVED FOR RELEASE: 03/20/2001**

AMOSENKOVA, N. I., DAYTER, A. B.

"On the survival of Bernet rickettsia in the organism of a bed bug." p.127

Desyntoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

AMOSEHKOVA, H. I., TCKAREVITCH, K. H., VASIL'YEVA, L. D., DAYTER, A. B., POPOVA, E. M.

"Materials for the further study of the local Q-fever focus in the Leningrad oblast." p. 140

Desystoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Yori 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSA and Academy of Sciences USSA. No. 1 254pp.

Leningrad Inst. of Epidemiology, Microbiology and Hygiene

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

KHAVKIN, T.m.: AMOSENKOVA, N.I.

Local reaction in guinea pigs inoculated with Rickettsia prowazekii. Trudy Lem.inst.epid.i mikrobiol. 23:85-97 '61. (MIRA 16:3)

l. Iz laboratorii infektsionnoy patologii otdela patologicheskoy anatomii Instituta epidemiologii i mikrobiologii AMN SSSR i laboratorii osobo opasnykh infektsiy i rikketsiozov Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera.

(RICKETTSIA) (VACCINATION)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

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TOKAREVICH, K.N.; VASIL'YEVA, L.D.; AMOSENKOVA, N.I.; DAYTER, A.B.; POPOVA, Ye.M.; HESSONOVA, M.A.; KLENOV, K.M.

Epidemiological characteristics of a local Q-rickettsiosis focus.
Trudy Len.inst.epid.i mikrobiol. 23:136-143 '61. (MIRA 16:3)
(Q FEVER)

AMOSENKOVA, N.I.; DAYTER, A.B.; KLENOV, K.N.

Deta on field studies in a Q fever focus. Trudy Len.inst.epid.

1 mikrobtol. 23:144-153 '61. (MIRA 16:3)

1. Is laboratorii osobo opasnykh infektsiy rikketsiozov Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera i otdela osobo opasnykh infektsiy Leningradskoy oblastnoy sanitarnoepidemiologicheskoy stantsii. (LUGA DISTRICT—Q FEVER)

DAYTER, A.B.; AMOSENKOVA, N.I.; Prinimala uchastiye: KLENOVA, K.N.

de les mentres en consenço de la con

Role of ticks of the superfamily Ixodoidea in Q-rickettsiosis.

Report No.1: On natural infection of the tick Ixodes ricinus L.

by Rickettsia burneti. Trudy Len.inst.epid.i mikrobiol. 23:
154-165 61. (MIRA 16:3)

1. Iz latoratorii osobo opasnykh infektsiy i rikketsiozov Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera i otdela osobo opasnykh infektsiy Leningradskoy oblastnoy sanitarnoepidemiologicheskoy stantsii. (TICKS AS CARRIERS OF DISEASE) (Q FEVER)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

DAYTER, A.B.; AMOSENKOVA, N.I.

Bole of ticks of the superfamily Ixodoidea in Q-rickettsicsis.

Report No.2: Infection of the tick Ornithodoros papillipes Bir.

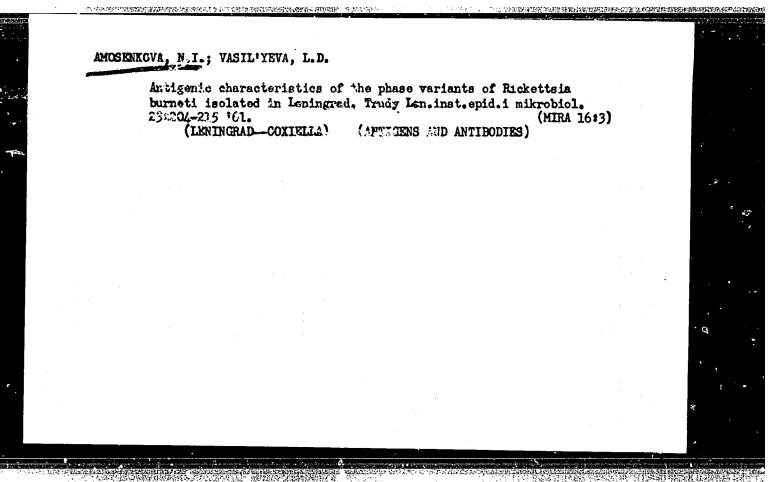
by Rickettsia burneti in an experiment. Trudy Len.inst.epid.i

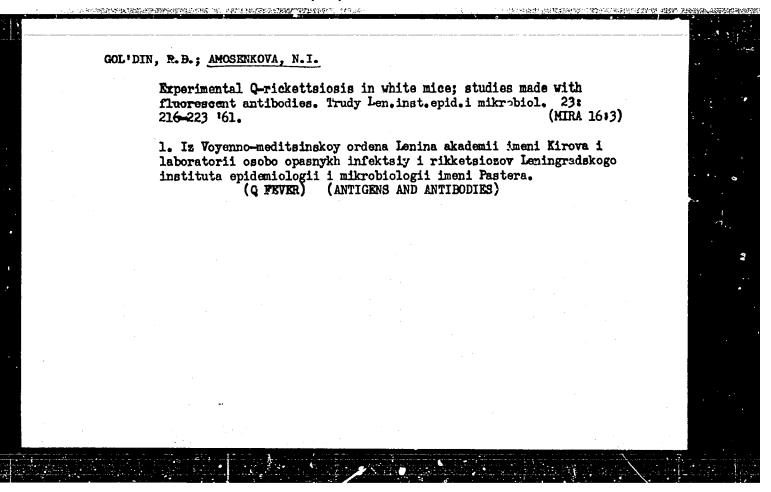
mikrobiol. 23:166-180 '61. (MIRA 16:3)

(TICKS AS CARRIERS OF DISEASE) (Q FEVER)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

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GCL'DIN, R.B.; AMOSENKOVA, N.I.

Study of experimental rickettsioses by means of fluorescent antibodies. Report No.2: Use of immune fluorescent gamma globulin for early and rapid diagnosis of Rickettsia burneti. Vop. virus. 6 no.5:591-598 S-0 '61; (MIM 15:1)

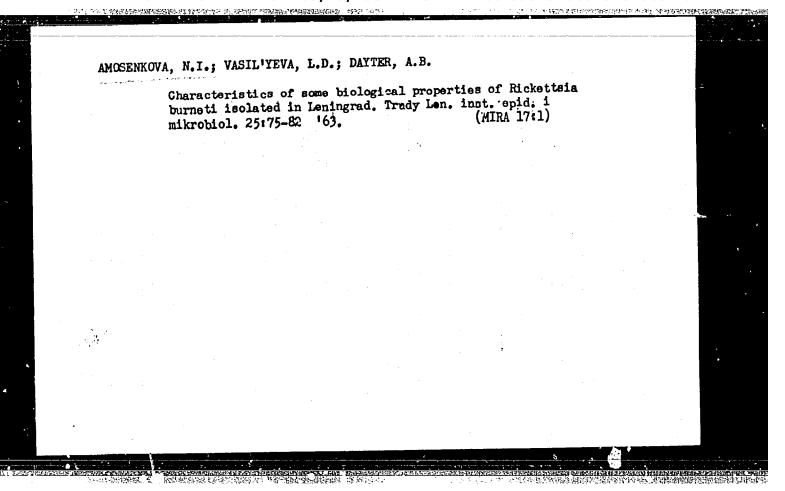
1. Voyenno-meditainskaya ordena Lenina akademiya imeni S.M.Kirova i Leningradskiy institut epidemiologii, mikrobiologii i gigiyeny imeni L.Pastera, Leningrad. (Q FEVER) (GAPMA GLOBULIN)

AMOSENKOVA, N.I.; GOL'DIH, R.B.; DAYTER, A.B.

Study of experimental rickettsices using fluorescent antibodies.
Report No.3: Study of ticks for their infectivity with R. burneti.
Report No.3: Study of ticks for their infectivity with R. burneti.
(MIRA 15:2)

Vop. virus. 6 no.6:664-669 N-D'61.

1. Leningradskiy institut epidemiologii, mikrobiologii i gigiyeny imeni L.Pastera i Voyenno-meditsinakaya ordena Lenina akademiya imeni S.M.Kinova.
(TICKS AS CAHRIERS OF DISLASE) (ANTIGENS AND ANTIBODIES)
(HICKETTSIA)



AMANZHULOV, S.A.; AMOSENKOVA, N.I.; POSTRICHEVA, O.V.

Results of virological confirmation of Q fever in Kazakhstan. Trudy Len. inst. epid. i mikrobiol. 25:83-94 '63. (MIRA 17:1)

1. Iz Instituta krayevoy patologii AN KazSSR i otdela osobo opasnykh infektsiy Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera.

AMOSENKOVA, N.I.; KHAVKIN, T.N.

Course of experimental Q fever pneumonia in white mice; experiments in intranasal inoculation. Trudy Len. inst. epid. i mikrobiol. 25:154-159 163.

Local peritoneal reaction in experimental Q fever in white mice. Ibid.:160-169 (MIRA 17:1)

1. Iz otdela sobo opasnykh infektsiy Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera i laboratorii infektsionnoy patologii otdela patologicheskoy anatomii Instituta eksperimental noy meditsiny AMN SSSR.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

KHAVKIN, T.N.; AMOSENKOVA, N.I.

Immunoluminescent method for studying the morphology of experimental rickettsioses. Dokl. AN SSSR 149 no.4:969-972 Ap '63. (MIRA 16:3)

1. Institut eksperimental noy meditsiny AMN SSSR i Leningradskiy institut epidemiologii i mikrcbiologii im. Pastera. Predstavleno akademikom N.N.Anichkovym.

(RICKETTSIAL DISEASES) (FLUORESCENCE MICROSCOPY)

AMANZHULOV, S.A.; AMOSENKOVA, N.I.; POSTRICHEVA, O.V.

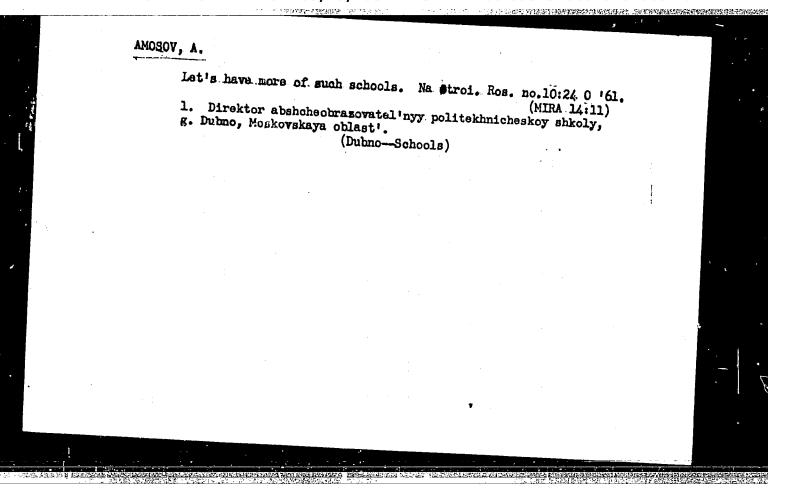
Detection of Rickettsia burneti in the horsefly Tabanus staegeri. Med. paraz. i paraz. bol. 34 no. 5:612-614 S-0 '65 (MIRA 19:1)

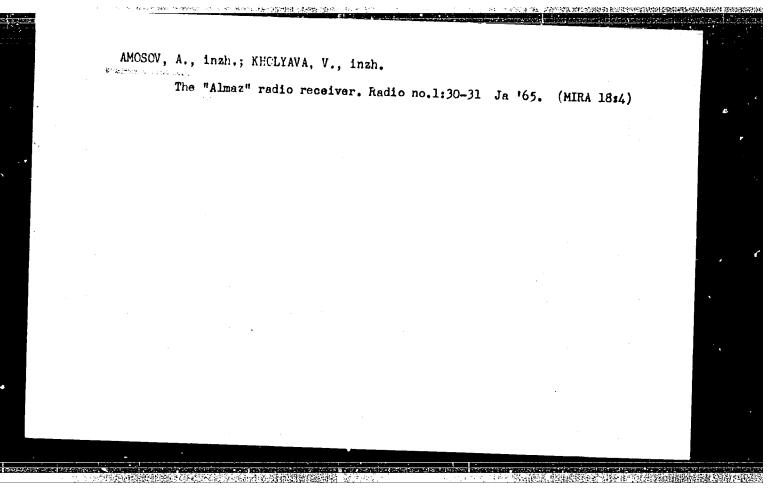
1. Kazakhskiy institut krayevoy patologii AMN SSSM, Alma-Ata i otdel osobo opasnykh infektsiy Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera. Submitted November 22, 1963.

CHALYY, A.A.; KUDRAVETS, G.V.; AMCCHA, A.I.

Flow sheet for preparing a new mine level under complex mining and geological conditions. Shore trud. Inst. gor, dela AN URSE no.13826-31 '63 (MIRA 1707)

L 27844-66 EV	c(e)		
ACC NRI APSOOL	OSS SOURCE CODE: UR/0107/65/000/001/0030/0031		
AUTHOR: Amosov	, A. (Engr.); Kholyava, V. (Engr.)		
ORG: none			
TITLE: 'Almaz'	radio receiver		
SOURCE: Radio,	no.1, 1965, 30-31 and inside of rear cover		
TOFTC TAGS: rad	lio receiver, transistorized circuit, circuit design	÷. 13	
and long-wave re	Led description, characteristics, circuit diagrams and photograph of mmu transistor radio (seven transistors, one crystal diode) for medium-ception are given. The apparatus was manufactured by the wnarkhoz. Orig. art. has: 4 figures, 2 tables. [JPRS]		
	SUEM DATE: none		
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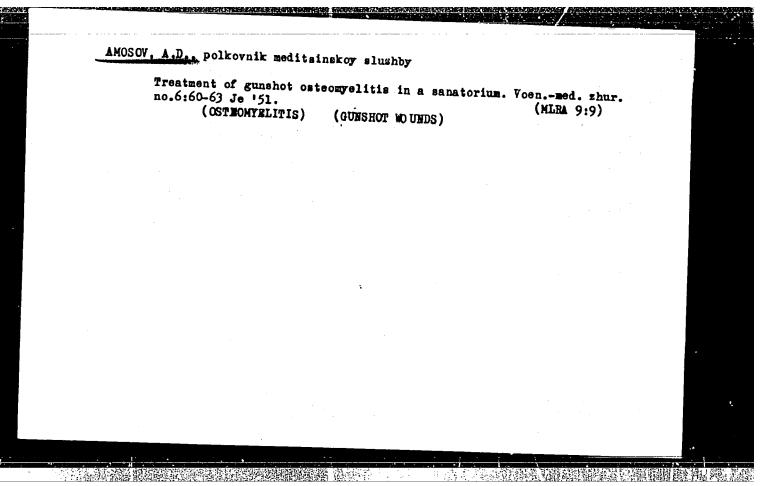
L 15572-66 EWT(d)/FSS-2 15572-66 SOURCE CODE: UR/0107/65/000/004/0034/0036 AUTHOR: Amosov, A. (Engineer); Kholyava, V. (Engineer); Cherenkov, Yu. (Engineer); Mogil'nikov, I. ORG: none 39 TITIE: Transistorized radio receiver Neva-21 В SOURCE: Radio, no. 4, 1965, 34-36 TOPIC TAGS: radic receiver, transistorized circuit, circuit design, radio engineering ABSTRACT: The article gives an overall technical description of the "Neva-2" model. It is first compared to the previous "Neva" model which it excels in terms of electro-acoustic performance and operating reliability. The "Neva-2" is designed on the super-heterodyne principle with a set of transistors and one crystal diode. It operates on battery supply and its frequency range extends over long waves and medium waves. The basic components of this receiver are a frequency converter, a two-stage intermediate-frequency amplifier, a sharp-selection filter for adjacent-channel selectivity, a detector, automatic gain control and a two-stage low-frequency amplifier. Capacitors are used for neutralization and interstage coupling, except for the second stage of the 1-f amplifier where negative feedback is effected through a resistancecapacitance circuit for the purpose of reducing non-linear distortions, and Cerd 1/2

L 15572-66 ACC NR: AP6008229

for the frequency converter which has an inductive feedback. The receiver delivers nominally 50 mw power, the maximum non-linear audio distortion is 12%, it operates satisfactorily dewn to 7.2 V but will still work at 5.6 V battery supply. The dimensions of the receiver are 150 x 95 x 35 mm, its weight is 450 grams. The built-in magnetic antenna is mounted to the printed-circuit chassis. The loudspeaker is mounted under the top of the case. Station tuning is done with a variable capacitor rotated through a 1:6 reduction gear. The overall complete circuit diagram of the receiver is shown, also the wiring diagram and transistor-amplifier details. Orig. art. has: 4 figures and 2 tables. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2 mc



AMOSOV, A.S.

"Functional and Anatomic Changes of Bronchopulmonary System During Radiation Sickness," by A. S. Amosov, Voyenno-Meditsinskiy Zhurnal, No 6, Jun 56, pp 21-28

Studies of functional and anatomic changes in external respiration were conducted on 107 rabbits, which were grouped into controls, those subjected to a single external irradiation of the thoracic region, those subjected to repeated irradiation by small doses, those subjected to irradiation of a small portion of the thoracic region (2 x 2 cm), and those subjected to exposure of only half the body. The author concludes:

1. Irradiation of the thorax by X rays causes a radiation sickness which is different from that due to total irradiation of the organism and which is characterized by the appearance of pronounced functional and anatomic changes in the bronchopulmonary system. These changes lead to the development of acute radiation pneumonia during the peak of the sickness or to the development of primary chronic pneumonia during the period of resolution of acute and chronic radiation sickness.

SUM. 1287

2. Upon using equal doses, a single irradiation causes changes in the respiratory system that are more profound than repeated irradiation. Therefore, a prolonged small intensity irradiation is more rational since, by employing it, less of the surrounding healthy tissue is injured.

3. By using bronchography, it is possible to obtain accurate data on the condition of the bronchial tree during various periods of radiation sickness.

Sum. 1257

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"

USSR/Diseases of Farm Animals - Diseases Caused by Protozoa.

R

Abs Jour

: Ref Zhur Biol., No 5, 1959, 21421

Author

Perepechayev, A.N., Amosov, B.K.

Inst Title

: Treatment of Anaplasmosis in Cattle.

Orig Pub

: Veterinariya, 1958, No 5, 34-37

Abstract

: An intravenous injection of an alcoholic rivanol solution was administered. For this purpose, 0.2 g of rivanol was dissolved in 120 ml of hot boiled distilled water. After the preparation was completely dissolved, the solution was filtrated, cooled to 40-50° C and then 60 ml of rectified alcohol were added. Warmed to body temperature, the solution was slowly intravenously injected in a 180 ml dose. If after 12-24 hours the temperature did not become lower in the sick animals, the solution was once more injected in the same quantity. A 100 percent therapeutic effectiveness was obtained. In the presence of a mixed

Card 1/2

- 27 -

USSR/Diseases of Farm Animals - Diseases Caused by Protozoa.

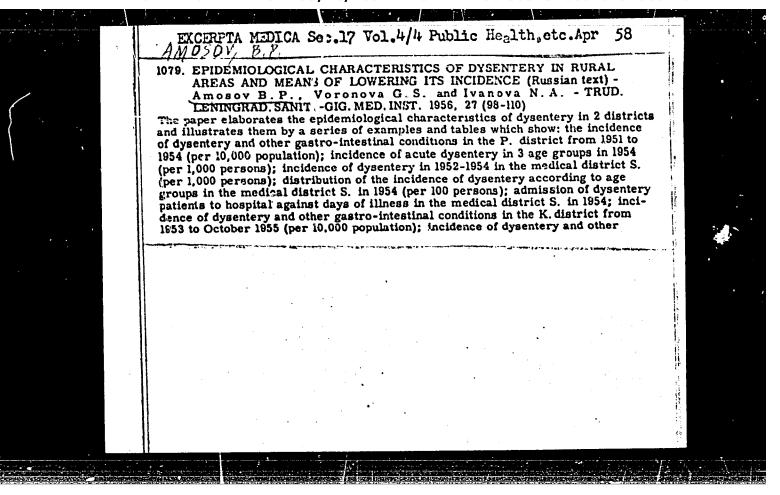
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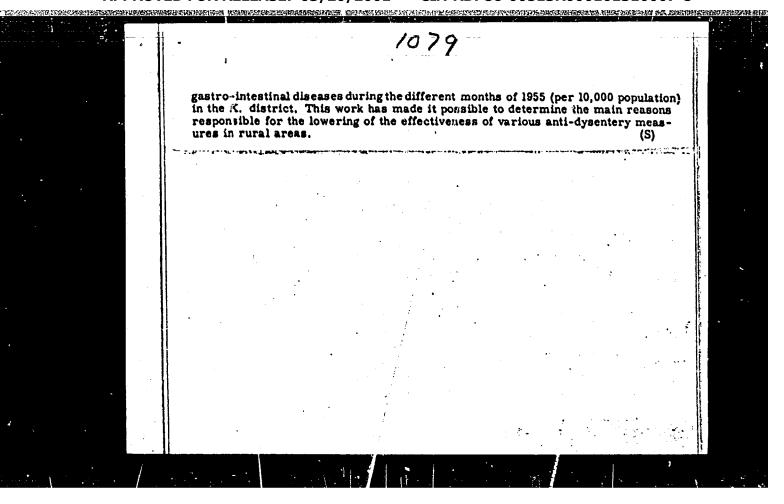
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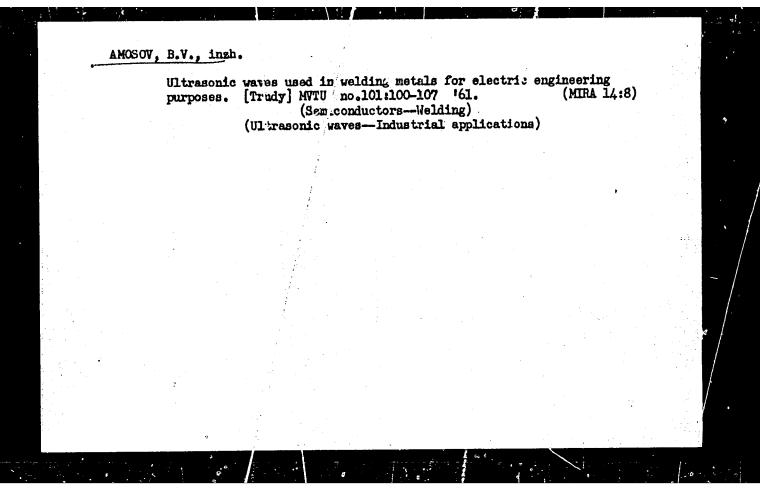
: Ref Zhur Biol., No 5, 1959, 21421

enzooty of both anaplasmosis and piroplasmosis, a combined treatment was resorted to in which first trypaflavine and then alcohol-rivanol were administered until the temperature decreases, while simultaneously applying symptomatic therapy.

Card 2/2







41864

5/549/62/000/106/003/010 1003/1203

1.2380

AUTHOR: Amosov, B.V., Ingegatur

TITIE: Therma! phonomena during supersonic welding

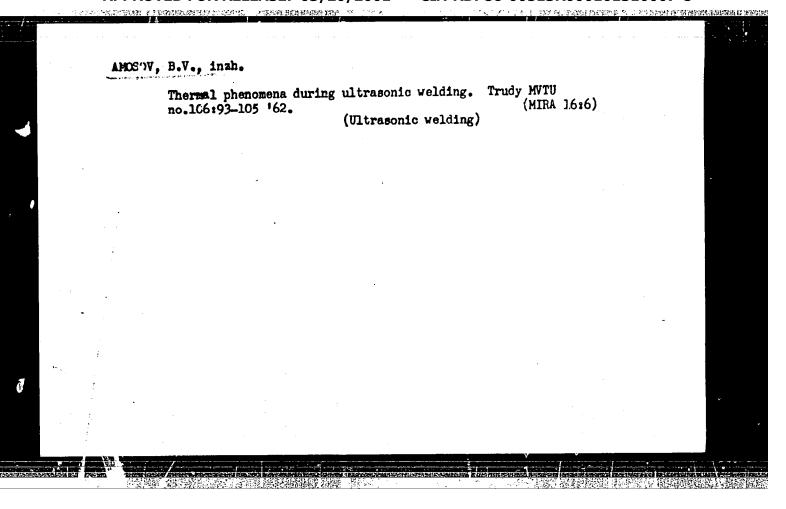
SOURCE: Noscor. Vyssheye tekhnicheskoye uchilishche. [Trudy] no. 106, 1962. 93-105. Svarka tsvetnykh splavov i nekotorykh legirovannykh staley

TEXT: The factors influencing the quantity and the distribution of the heat generated during superscric welding of copper, steel, aluminum, and tantalum were investigated and the results are discussed. A formula is given for calculating the wave amplitude at any point in the mass of the treated metal

 $a = \frac{A}{r} \sin \omega (t - \frac{r}{c})$

This equation does not, however, take into account the fading of vibrations as they pass through the metal, and the calculated values may therefore be a little too high. There are 8 figures and 3 tables.

Card 1/1



S/137/61/000/007/021/072 A060/A101

THORS: Vydrin, V. N.; Boyko, M. Ye.; Amosov, E. N.; Moshkin, S. E.

IE: Investigation of the tension schedule on a continuous light-section mill

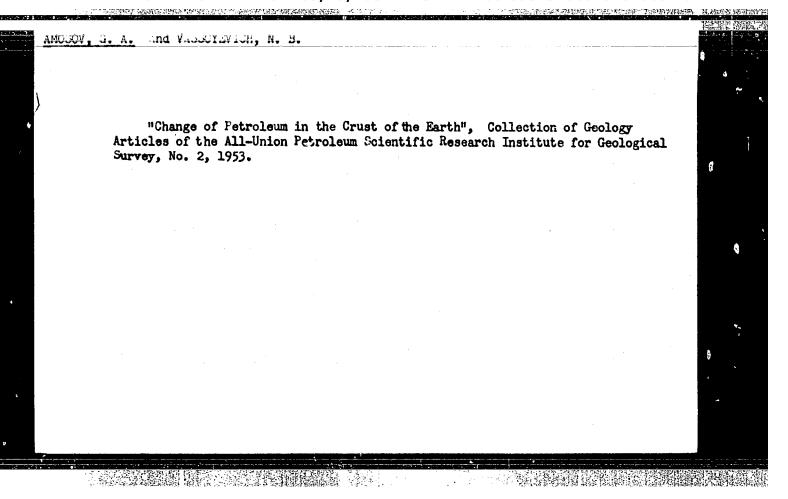
PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 7, 1960, abstract 7D41 ("Tr. Konferentsii: Tekhn. progress v tekhnol. prokatn. proiz-va". Sverdlovsk, Metallurgizdat, 1960, 363-364)

TFXT: The method of tension measurement by means of tension pulley is inapplicable in the section rolling practice, and the authors propose their own method according to which the pressure between the pad of the roll bearing and the bedplate of the rolling stand is measured by a special dynamometer. It is established that the relationship between the tension and the velocity mismatch is linear. See also RZhMet. 1960, no. 4, 7653.

A. Bulanov

[Abstracter's note: Complete translation]

Card 1/1



AMOSOV, G. A.
USSR/Chemical Technology. Chemical Products and Their

Application -- Troatment of natural gases and

petroleum. Motor Fuels. Lubricants.

Abs Jour: Ref Zhur Khimiya, No 3, 1957, 9277

Author

Amosov. G. A. All-Union Science Research Institute for Petroleum Inst

Exploration

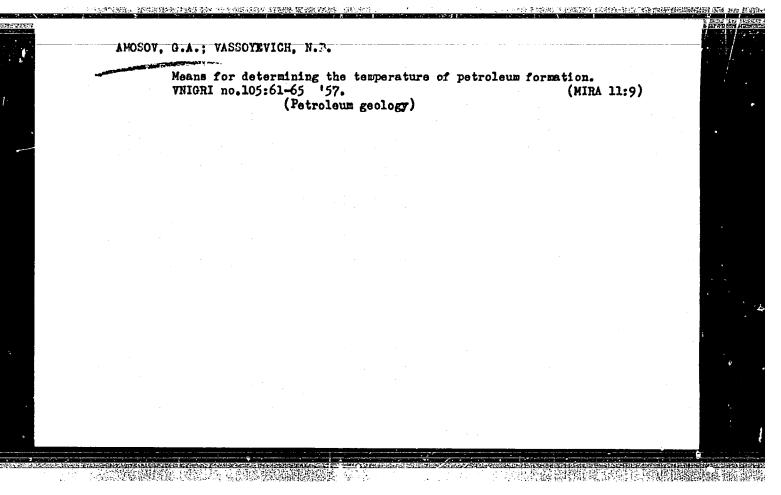
Title The Optical Rotation of Petroleum

Pr. Vses. neft. n.-i. geol.-razved. in-ta, 1955, Orig Pub:

No 83, 196-230

Abstract: No abstract.

Card 1/1



USSR / Forestry. General Problems.

K

Abs Jour

: Ref Zhur - Biologiya, No 22, 1958, No. 100140

Luthor

: Anceov, G. A.

تنعن

: Not given

Titlo

: The Use of Chemical Substances in the Control of Forest

Fires in the USA

Orig Pub

! Lesn. kh-vo, 1958, No 4, 86-88

Abatmact

: No abstract given

Card 1/1

GDR / Cosmochemistry. Geochemistry. Hydrochemistry.

D

Abs Jour : Referate Zhur--Khimiya, No. 11, 1959, 38196

Author

: Amosov, G. A.; and Vassoyevich, N. B.

Inst

: Not given

Title

: On the Methods Used for the Determination of the

Temperature in Petroleum Deposits.

Orig Pub

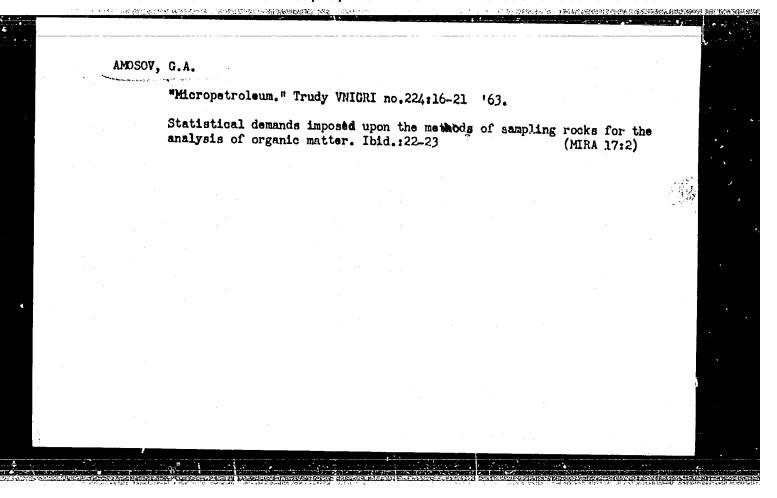
: Z angew Geol, 4, No. 9, 410-413 (1958) (in German)

Abstract

: See RZhKhim, 1958, 7460.

Card 1/1

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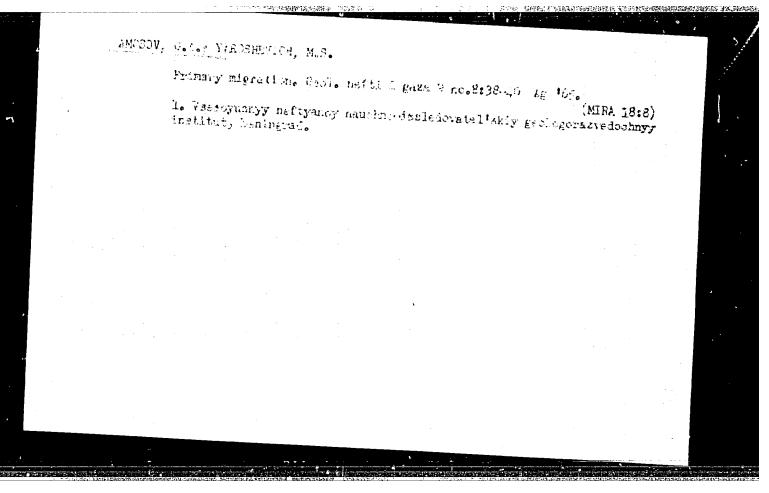
KOZINA, T.A.; AMOSOV, G.A.

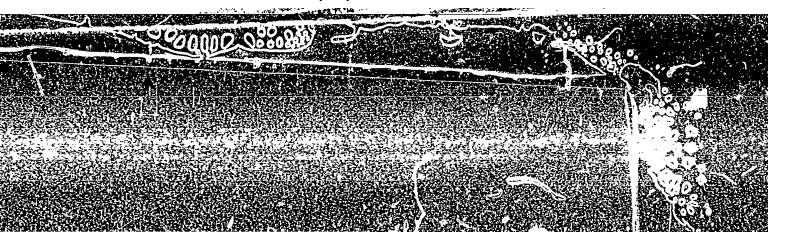
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Genetic succession of oils in Sakhalin. Geol. i geofiz. no.2:3-12
164. (MIRA 18:4)

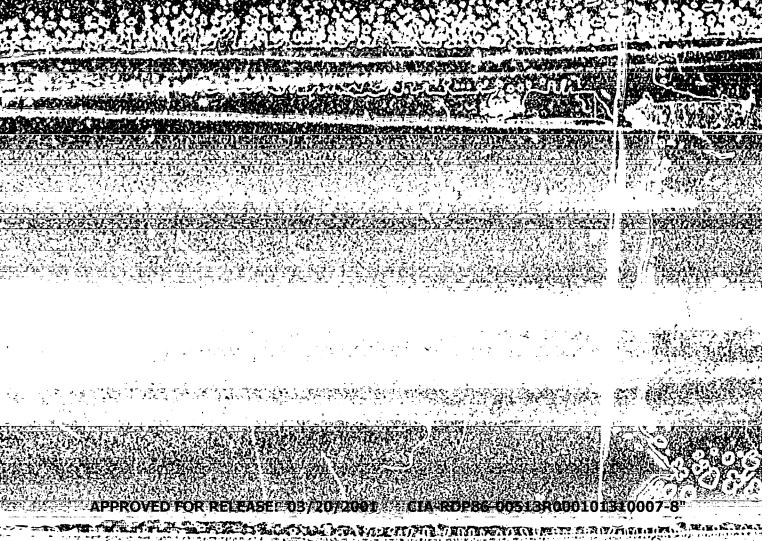
l. Vsesoyuznyy neftyanoy nauchno-issledovateliskiy geologo-razve-dochnyy institut, g. Okha-na-Sakhaline.

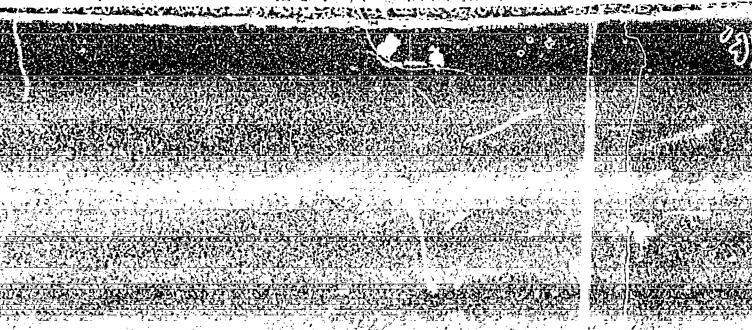
APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000101310007-8"











AHOSOV, G.Ya.

Torelon of primatic role in minatoplastic deformations.

Very Mark, us. Car. to Mark, now 21 no. 1498-108

Josef 166.

(MIRA 19-1)

L. minura teorii uprugosti k - svukogo gesudarstvennogo universiteta. Submitted March -, 1965.

	AMOSOV, I.		- Repair								
	Card 1/1 Authors	:	Amosov,	I.; Pige	rev, 1.						
	Title	:	The work	of radi	o repair a	shops should	be improv	ređ			
	Periodical	:	Radio, 3,					· - •		ž .	* 4
	Abstract	:	equipped article attention	and rep	airs are m On the Min	-Ude (Buriat nts because ade in unsui istry of Com ion and to t	they (sho table bui	ps) are ldings.	poorly The		
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2	Institution Submitted	:	ing it.								
		•	ing it.								

ZEDOENIDZE, G.A., prof., AMOSOV, I.S., SINENKO, L.F.

Problem of radiation reactions and radiation sickness [with summary in English]. Med.rad. 3 no.213-10 Mr-Ap'58 (MIRA 11:5)

(ROMNTORN RAYS, inj.eff.

mild radiation reactions & radiation sickness, funct. changes in thoracis & abdom.organs (Rus))

